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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/560,429	03/13/2006	David Arditti Modiano	0600-1192	8849
<small>465</small> YOUNG & THOMPSON 209 Madison Street Suite 500 ALEXANDRIA, VA 22314			<small>7590</small> EXAMINER ARCHER, CHRISTOPHER B	
			<small>06/09/2009</small> ART UNIT 2432	PAPER NUMBER
			MAIL DATE 06/09/2009	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/560,429

Applicant(s)

ARDITTI MODIANO ET AL.

Examiner

CHRISTOPHER B. ARCHER

Art Unit

2432

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 March 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 16-35 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 16, 17, 27-29 and 31 is/are rejected.
- 7) ☒ Claim(s) 18-26, 30, 32-35 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12/14/2005 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

Response to Amendment

1. Applicant's arguments, see page 11, filed 03/30/2009, with respect to the specification have been fully considered and are persuasive. The objection of the specification has been withdrawn.
2. Applicant's arguments, see page 12, filed 03/30/2009, with respect to claim 26 have been fully considered and are persuasive. The objection of claim 26 has been withdrawn.
3. Applicant's arguments, see page 12, filed 03/30/2009, with respect to claims 27, 28, and 31-35 have been fully considered and are persuasive. The rejection of claims 27, 28, and 31-35 has been withdrawn. However, the reconsideration has resulted in a different interpretation of the Boneh reference and is presented below.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 16, 27-29, and 32 are rejected under 35 U.S.C. 102(b) as being anticipated by Boneh et al. "An Efficient Public Key Traitor Tracing Scheme" *Advances in Cryptology – Crypto '99. 19th Annual International Cryptology Conference Proceedings*. Santa Barbara, CA, USA (1999) pages 338-353, hereafter referred to as Boneh.

Regarding claims 16, 29:

Boneh page 340, Definitions ¶ 1 teaches that one unique encryption key can be used for multiple decryption keys.

Boneh page 340, Definitions ¶ 3 and 4 teaches that the encryption and decryption processes can be algorithms.

Boneh pages 338-339, Introduction ¶ 1-2 teaches that each subscriber has a unique set of keys that identify that particular subscriber and allow for the decryption of a broadcast.

Regarding claim 27, 28:

Boneh pages 338-339, Introduction ¶ 1-3 shows the keys being stored in and used by a distributor to encrypt data before the data is sent to a corresponding receiver.

Claim Rejections - 35 USC § 103

6. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
7. Claims 17 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boneh in view of Gazier et al. (U.S. Patent No. 6,880,088), hereafter referred to as Gazier.

Regarding claim 17:

Boneh discloses the method of claim 16, but fails to explicitly disclose a system that can process non-redundant data.

Gazier column 2, lines 57-59 shows that it is common for secure communication networks to process non-redundant data.

It would have been obvious to one of ordinary skill in the art at the time of the invention to improve Boneh by allowing the system to process non-redundant data, as disclosed in Gazier, to allow for the conservation of bandwidth.

Regarding claim 31:

Boneh pages 338-339, Introduction ¶ 1-3 shows the keys being stored in and used by a distributor to encrypt data before the data is sent to a corresponding receiver.

Allowable Subject Matter

8. Claims 18-26, 30, and 32-35 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTOPHER B. ARCHER whose telephone number is (571) 270-7308. The examiner can normally be reached on M-F 7:30-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571) 272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2432

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system.

/CHRISTOPHER B ARCHER/
Examiner, Art Unit 2432

/Gilberto Barron Jr./
Supervisory Patent Examiner, Art Unit 2432